

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



## PE51272

### Configuration

- 2.92mm Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid

### Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE51272 Right Angle, 2.92mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 2.92mm male right angle connector PE51272 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.35:1	
Insertion Loss		0.253		dB
Operating Voltage (AC)		250		Vrms
Dielectric Withstanding Voltage (AC)		750		Vrms
Inner Conductor DC Resistance		3		mOhms
Outer Conductor DC Resistance		2		mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

Electrical Specification Notes:

Insertion loss is =  $0.04 \times \text{SQRT}(F(\text{GHz})) \text{ dB}$

### Mechanical Specifications

#### Size

Length	0.704724 in [17.9 mm]
Width	0.291339 in [7.4 mm]
Height	0.80315 in [20.4 mm]
Weight	0.015 lbs [6.8 g]

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



## PE51272

Mating Cycles	5,000 Cycles
Mating Torque	11.47 to 15 in-lbs [[1.30 to 1.70 Nm]]
Cable Retention Force	4.9 lbs [2.22 kg]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Solder Sleeve	Brass	Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range  
Thermal Shock

-55 to +105 deg C  
MIL-STD-202, Method 107, Condition B

### Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

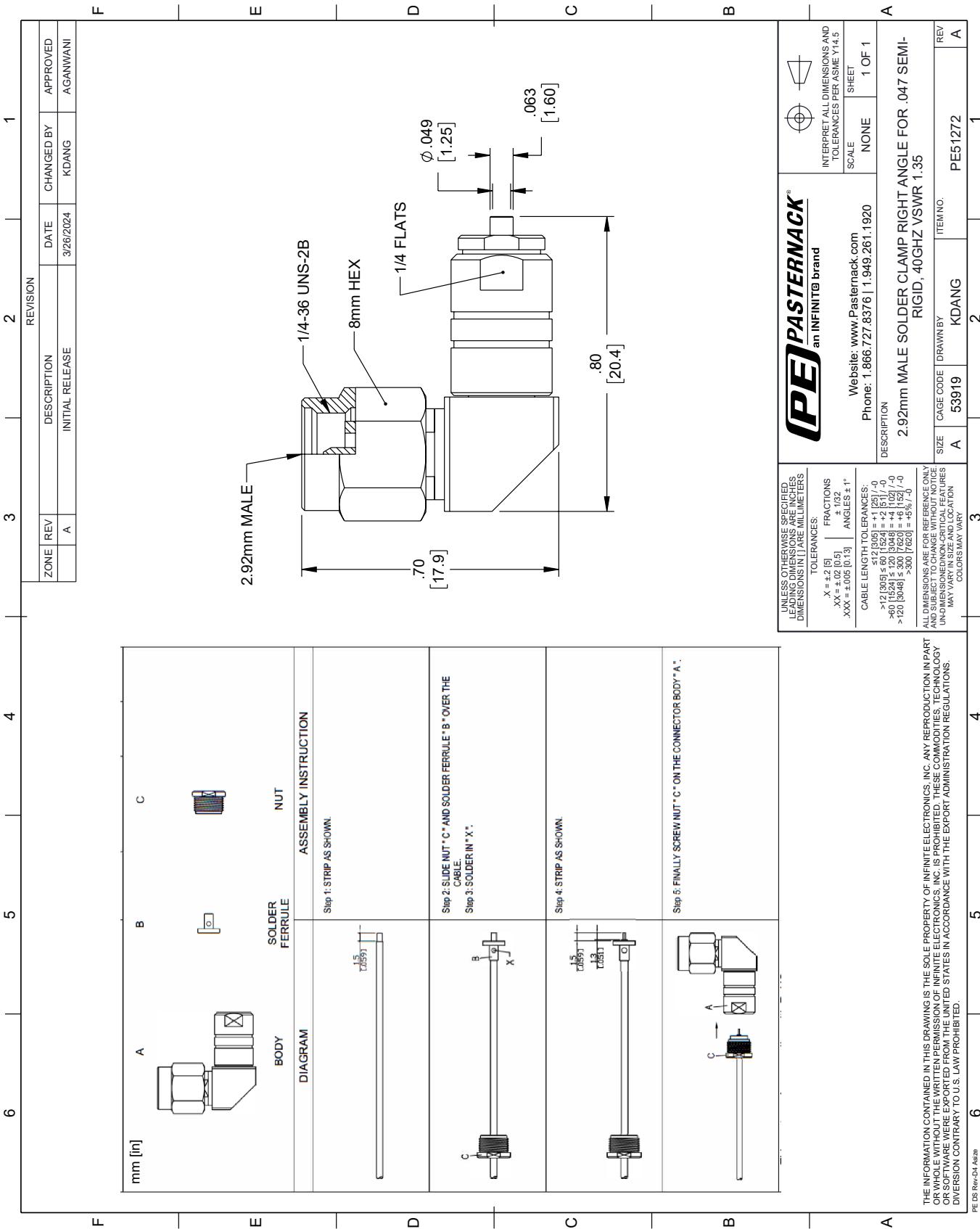
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid PE51272](#)

URL: <https://www.pasternack.com/2.92mm-male-pe-047sr-pe-p047-pe-sr047al-connector-pe51272-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE51272 CAD Drawing

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



## 2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR



### RF Connectors Technical Data Sheet

PE44797

#### Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry

- PE-SR047FL, PE-SR047AL, PE-047SR Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex

#### Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.35:1

- Gold over Nickel Plated Beryllium Copper Contact
- 50  $\mu$ in minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44797 2.92mm male connector with clamp/solder attachment for PE-SR047FL, PE-SR047AL and PE-047SR is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1.

Our 2.92mm male connector PE44797 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.35:1	

#### Mechanical Specifications

##### Size

Length  
Width/Dia.

0.46 in [11.68 mm]  
0.35 in [8.89 mm]

Weight

0.01 lbs [4.54 g]

Mating Torque

8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR PE44797](#)

2.92mm Male Connector Clamp/Solder Attachment  
 for PE-SR047FL, PE-SR047AL, PE-047SR



RF Connectors Technical Data Sheet

PE44797

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 $\mu$ in minimum
Insulation	PEI	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

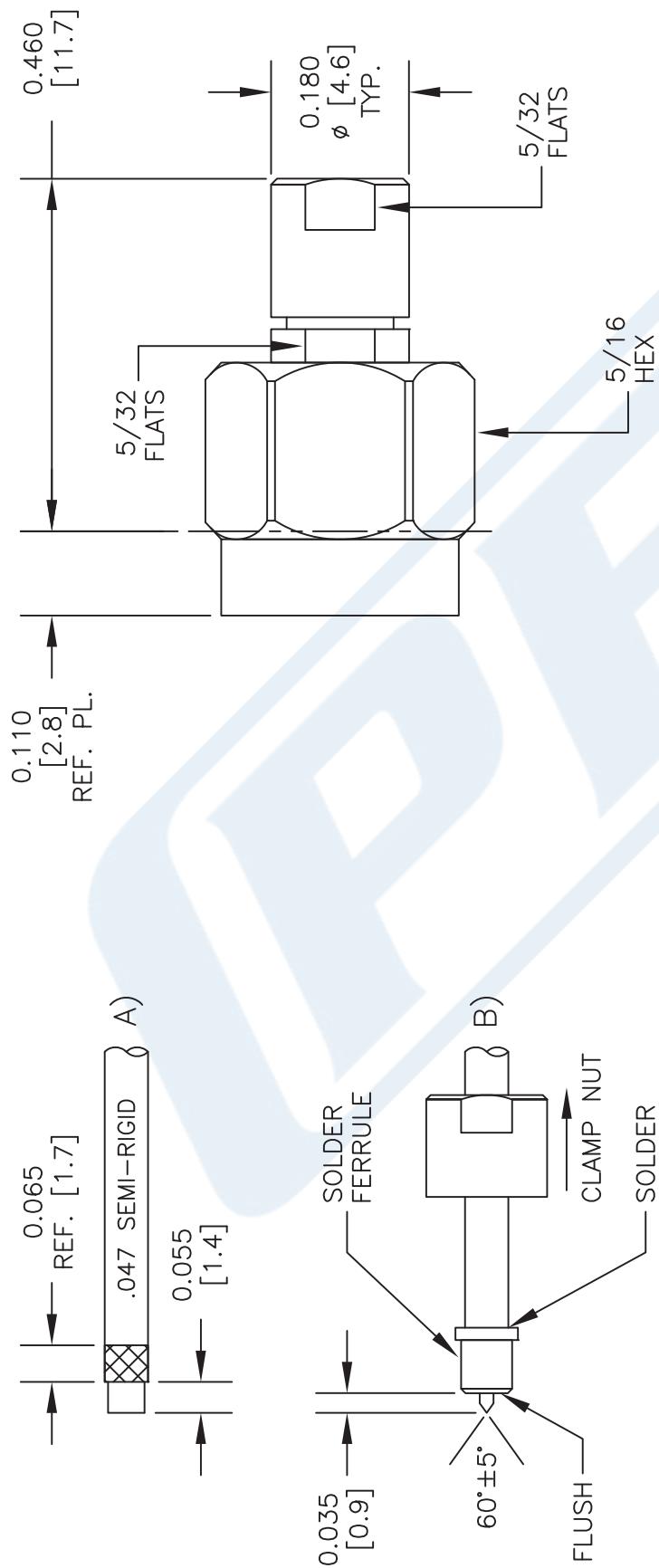
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR PE44797](#)

URL: <https://www.pasternack.com/2.92mm-male-standard-pe-sr047fl-pe-sr047al-pe-047sr-connector-pe44797-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE44797 CAD Drawing

2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK DIELECTRIC.
2. PRE-TIN CABLE JACKET TO APPROXIMATE DIMENSION AS SHOWN IN (A).
3. INSERT CABLE THRU ADAPTER UNTIL IT BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO ADAPTER & TRIM DIELECTRIC AS SHOWN IN (B).
4. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.

**PE PASTERNACK®**  
Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

**PE44797**

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].  
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE	PE44797	SCALE N/A	SIZE A	2233
FSCM NO. 53919	CAD FILE 042313			

## 047 Semi-rigid Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

PE-047SR

#### Configuration

Inner Conductor Material and Plating  
 Dielectric Type  
 Shield Materials

Copper Clad Steel, Silver  
 PTFE  
 Copper

#### Electrical Specifications

Impedance, Ohms  
 Maximum Operating Frequency, GHz  
 Dielectric Withstanding Voltage, Vrms

50  
 40  
 2,000

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz  
 Attenuation, dB/100ft [dB/100m]  
 Power Handling, Watts

1000  
 40 [131.23]  
 32

##### Frequency 2

Frequency, GHz  
 Attenuation, dB/100ft [dB/100m]  
 Power Handling, Watts

10  
 130 [426.51]  
 9

##### Frequency 3

Frequency, GHz  
 Attenuation, dB/100ft [dB/100m]  
 Power Handling, Watts

20  
 190 [623.36]  
 6.5

#### Mechanical Specifications

##### Temperature

Operating Range, deg C

-55 to +100

##### Inner Conductor

Number of Strands  
 Material  
 Plating  
 Diameter, in [mm]

1  
 Copper Clad Steel  
 Silver  
 0.011 [0.28]

##### Dielectric:

Type  
 Diameter, in [mm]

PTFE  
 0.037 [0.94]

##### Shield:

Number of  
 Material 1  
 Diameter, in [mm]

1  
 Copper  
 0.047 [1.19]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR](#)

## 047 Semi-rigid Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

PE-047SR

**Jacket:**

Diameter, in [mm]	0.047 [1.19]
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.005 [0.01]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant  
REACH Compliant

12/19/2011

**Plotted and Other Data**

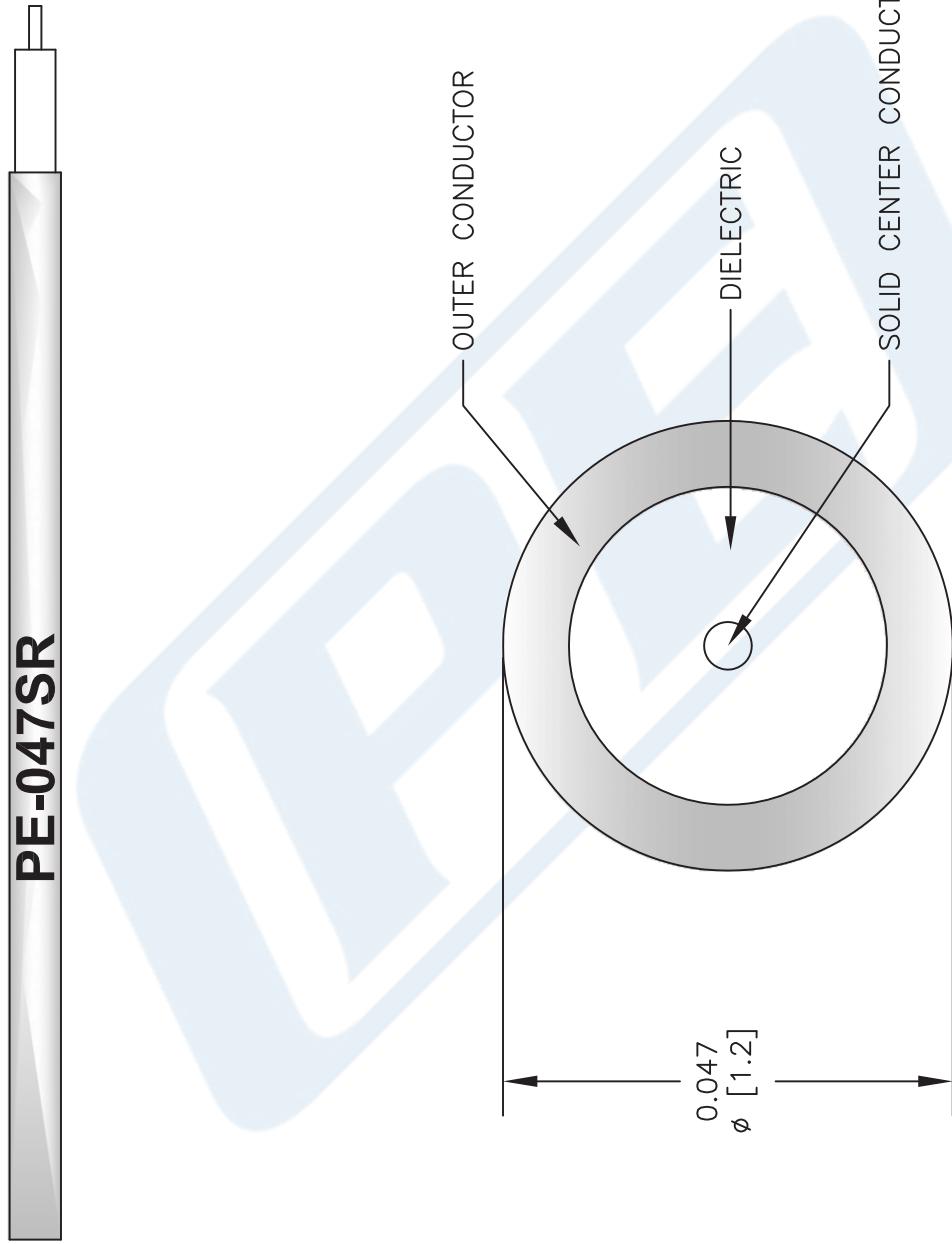
Notes:  
• Values at +25 °C, sea level

047 Semi-rigid Coax Cable with Copper Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR](http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx)

URL: <http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.



<b>PASTERNACK®</b> Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	<b>DWG TITLE</b> <b>PE-047SR</b>	<b>NOTES:</b> 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].
	<b>FSCM NO.</b> 53919 <b>CAD FILE</b> 073113 <b>SCALE</b> N/A <b>SIZE</b> A <b>2233</b>	